## (19) World Intellectual Property Organization

International Bureau





### (43) International Publication Date 29 July 2004 (29.07.2004)

PCT

## (10) International Publication Number WO 2004/062338 A3

(51) International Patent Classification<sup>7</sup>:

C12Q 1/68

(21) International Application Number:

PCT/GB2004/000127

(22) International Filing Date: 14 January 2004 (14.01.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0300802.6

14 January 2003 (14.01.2003) GB

(71) Applicants and

(72) Inventors: TISI, Lawrence, C. [GB/GB]; 116 Lynn Road, Ely CB6 1DE (GB). MURRAY, James, A., H. [GB/GB]; 4 Benson Street, Cambridge CB2 1TN (GB).

(74) Agents: HALLYBONE, Huw, George et al.; Carpmaels & Ransford, 43-45 Bloomsbury Square, London WC1A 2RA (GB).

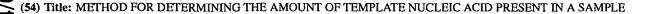
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 10 September 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



(57) Abstract: A method for determining the amount of template nucleic acid present in a sample comprising the steps of: i) bringing into association with the sample all the components necessary for nucleic acid amplification, and all the components necessary for a bioluminescence assay for nucleic acid amplification and subsequently: ii) performing the nucleic acid amplification, iii) monitoring the intensity of light output from the bioluminescence assay; and iv) determining the amount of template nucleic acid present in the sample.



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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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19/07/2004

Hennard, C

Authorized officer

Date of mailing of the international search report

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

3.

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, BIOSIS

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, o	Relevant to claim No.			
X	WO 01/42496 A (DZIEGLEWSKA H.;PYROSEQUENCING AB (SE); LUN (SE);) 14 June 2001 (2001-06	1-7,14, 15, 22-25, 28,29, 32,34, 36,37			
	page 14, line 17 - page 16, line 6; page 43, line 30 - page 44, line 33; figures 6-7; claims 1-11, 22-23				
		-/			
χ Furt	her documents are listed in the continuation of box C.	X Patent family members are listed	in annex.		
A* docume	tegories of cited documents :  ent defining the general state of the art which is not lered to be of particular relevance	"T" later document published after the Int or priority date and not in conflict with cited to understand the principle or the	n the application but		
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23 June 2004

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Date of the actual completion of the international search

International Application No PCT/GB2004/000127

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PC1/GB2004/00012/
Category °		Relevant to claim No.
X	NYGREN M ET AL: "QUANTIFICATION OF HIV-1 USING MULTIPLE QUANTITATIVE POLYMERASE CHAIN REACTION STANDARDS AND BIOLUMINOMETRIC DETECTION" ANALYTICAL BIOCHEMISTRY, ACADEMIC PRESS, NEW YORK, NY, US, vol. 288, no. 1, 1 January 2001 (2001-01-01), pages 28-38, XP000977141 ISSN: 0003-2697 page 30, right-hand column; page 32, left-hand column, lines 15-18	1-7,14, 15, 22-25, 28,29, 32,34, 36,37
Y	WO 02/064830 A (MURRAY JAMES AUGUSTUS HENRY;TISI LAURENCE CARLO (GB); UNIV CAMBRI) 22 August 2002 (2002-08-22) claim 17; examples	34-36
Y	US 6 258 568 B1 (NYREN PAL) 10 July 2001 (2001-07-10) claim 16	34-36
A	MORI YASUYOSHI ET AL: "Detection of loop-mediated isothermal amplification reaction by turbidity derived from magnesium pyrophosphate formation" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 289, no. 1, 23 November 2001 (2001-11-23), pages 150-154, XP002255232 ISSN: 0006-291X cited in the application abstract; page 153, left-hand column, last paragraph; page 154, forlast paragraph	1-37
A	TABARY T ET AL: "HOMOGENEOUS PHASE PYROPHOSPHATE (PPI) MEASUREMENT (H3PIM). \A NON-RADIOACTIVE, QUANTITATIVE DETECTION SYSTEM FOR NUCLEIC ACID SPECIFIC HYBRIDIZATION METHODOLOGIES INCLUDING GENE AMPLIFICATION" JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 156, no. 1, 1992, pages 55-60, XP000320297 ISSN: 0022-1759 cited in the application abstract	1-37

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
ategory °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	WHITE ET AL: "improved thermostability of the north american firefly luciferase: saturation mutagenesis at position 354" BIOCHEMICAL JOURNAL, PORTLAND PRESS, LONDON, GB, vol. 319, 1996, pages 343-350, XP002097112 ISSN: 0264-6021 introduction, page 343	1-37		
A :	HIGUCHI R ET AL: "KINETIC PCR ANALYSIS: REAL-TIME MONITORING OF DNA AMPLIFICATION REACTIONS" BIO/TECHNOLOGY, NATURE PUBLISHING CO. NEW YORK, US, vol. 11, no. 9, 1 September 1993 (1993-09-01), pages 1026-1030, XP000197685 ISSN: 0733-222X the whole document	1-37		
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International application No.

PCT/GB2004/000127

Вох	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, the international search was carried out on the basis of:
	a.	type of material  X a sequence listing table(s) related to the sequence listing
	b.	format of material  X In written format  X in computer readable form
	c.	time of filing/furnishing  contained in the international application as filed  filed together with the international application in computer readable form  X furnished subsequently to this Authority for the purpose of search
2.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Addit	ional comments:

Information on patent family members

International Application No PCT/GB2004/000127

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